

PAST PROJECT REFERENCE (> SGD\$ 10M)

Project Description	Project Nature	Scope of Execution	Year
DENKA NS06 SPS PROJECT, SPS-2 & NCP-3 PLANT, 40 SERAYA AVENUE, SINGAPORE	• Plant construction	<ul style="list-style-type: none"> • Piping • Structure • Electrical & Instrumentation 	2006
JACOBS ENGINEERING & GLAXO WELLCOME MANUFACTURING R&D - CHEMDEV. PILOT PLANT	• Plant construction	<ul style="list-style-type: none"> • Piping • Structure • Equipment 	2007
FOSTER WHEELER ASIA PACIFIC & LUCITE INTERNATIONAL SINGAPORE THE ALPHA 1 PROJECT, 31 SAKRA AVENUE, JURONG ISLAND	• Plant construction	<ul style="list-style-type: none"> • Equipment • Structure 	2007
JACOB ENGINEERING & CIBA SPECIALTY CHEMICALS SINGAPORE SINGAPORE AO PLANT PROJECT, 20 BANYAN AVENUE, JURONG ISLAND	• Plant construction	<ul style="list-style-type: none"> • Piping • Structure • Equipment 	2008
NATURAL FUEL BANYAN DRIVE, JURONG ISLAND SINGAPORE	• Plant maintenance & Annual Turnaround	<ul style="list-style-type: none"> • Maintenance 	2008
TOYO ENGINEERING & SHELL EASTERN PETROLEUM LIMITED PU5 ECC HOUDINI PROJECT	• Plant construction	<ul style="list-style-type: none"> • Piping • Structure • Equipment • Refractory 	2009
TOYO ENGINEERING & SHELL EASTERN PETROLEUM LIMITED PU5 ECC BDX PROJECT	• Plant construction	<ul style="list-style-type: none"> • Piping • Structure • Equipment 	2009
HQSM ENGINEERING & EXXONMOBIL SINGAPORE PARALLEL TRAIN (SPT) PROJECT; JURONG ISLAND SINGAPORE	• Plant construction	<ul style="list-style-type: none"> • Piping • Structure • Equipment 	2010

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TOYO ENGINEERING & SHELL EASTERN PETROLEUM LIMITED SHELL BUKOM ECC HOUDINI PROJECT	<ul style="list-style-type: none"> Plant construction 	<ul style="list-style-type: none"> Commissioning Manpower Supply 	2010
MITSUI ENGINEERING SHIPBUILDING CO & EXXONMOBIL CHEMICALS SINGAPORE OLEFINS FURNACE (SPTOF) PROJECT, JURONG ISLAND SINGAPORE	<ul style="list-style-type: none"> Plant construction 	<ul style="list-style-type: none"> Equipment Installation 	2011
STONE & WEBSTER ASIA INC & EXXONMOBIL CHEMICALS SINGAPORE PARALLEL TRAIN PROJECT; JURONG ISLAND SINGAPORE	<ul style="list-style-type: none"> Plant construction 	<ul style="list-style-type: none"> Structure 	2012
DENKA SINGAPORE & FOSTER WHEELER SIP PROJECT; JURONG ISLAND SINGAPORE	<ul style="list-style-type: none"> Plant construction 	<ul style="list-style-type: none"> Piping Structure Equipment 	2012
FOSTER WHEELER & LANXESS LANXESS BTR SINGAPORE PROJECT; JURONG ISLAND SINGAPORE	<ul style="list-style-type: none"> Plant maintenance & Annual Turnaround 	<ul style="list-style-type: none"> Piping Structure Equipment 	2012
STONE & WEBSTER ASIA & EXXONMOBIL CHEMICALS SINGAPORE PARALLEL TRAIN PROJECT; JURONG ISLAND SINGAPORE	<ul style="list-style-type: none"> Plant construction 	<ul style="list-style-type: none"> Manpower Supply 	2013
JACOBS ENGINEERING & EVONIK EVONIK ME5 PROJECT, JURONG ISLAND SINGAPORE	<ul style="list-style-type: none"> Plant construction 	<ul style="list-style-type: none"> Piping Structure Equipment 	2014
TOYO ENGINEERING & SHELL EASTERN PETROLEUM ECC DEBOTTLENECKING & FLARE REVAMP PROJECT	<ul style="list-style-type: none"> Plant Expansion & Debottlenecking 	<ul style="list-style-type: none"> Piping Structure Equipment Refractory 	2014

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MITSUI ENGINEERING SHIPBUILDING & EXXONMOBIL AURORA-EOS PROJECT (EQUIPMENT INSTALLATION)	<ul style="list-style-type: none"> Plant construction 	<ul style="list-style-type: none"> Equipment Structure 	2015
MITSUI ENGINEERING SHIPBUILDING & EXXONMOBIL AURORA-EOS PROJECT (PIPING WORK)	<ul style="list-style-type: none"> Plant construction 	<ul style="list-style-type: none"> Piping 	2015
TOYO ENGINEERING & PETRONAS-ARAMCO JV PETRONAS RAPID PROJECT, PENGERANG, JOHOR, MALAYSIA	<ul style="list-style-type: none"> Plant construction 	<ul style="list-style-type: none"> Equipment Structure Piping Refractory 	2016
TEIJIN POLYCARBONATE SINGAPORE TPS WAREHOUSE, SAKRA AVENUE, JURONG ISLAND	<ul style="list-style-type: none"> Plant demolition 	<ul style="list-style-type: none"> Demolition 	2016
FOSTER WHEELER & EVONIK EVONIK ME6 PROJECT, JURONG ISLAND SINGAPORE	<ul style="list-style-type: none"> Plant Construction 	<ul style="list-style-type: none"> Piping Structure Equipment 	2017
FOSTER WHEELER & EXXONMOBIL CHEMICAL CRISP SCP PROJECT, EM SCP, JURONG ISLAND	<ul style="list-style-type: none"> Plant Expansion 	<ul style="list-style-type: none"> Piping Equipment Structure 	2019

PAST PROJECT REFERENCE – BROWNFIELD (10 YEARS)

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JACOBS ENGINEERING & EXXONMOBIL CHEMICALS SAR PACKINOX HEAT EXCHANGER PE 53 ; REPLACEMENT, JURONG ISLAND SINGAPORE	• Plant Expansion	<ul style="list-style-type: none"> • Piping • Structure • Equipment • Electrical & instrumentation 	2012
SUNSTAR ENGINEERING SINGAPORE R&D CENTER PROJECT; 77 TUAS SOUTH AVENUE 1 SINGAPORE	• Plant Expansion	<ul style="list-style-type: none"> • Piping • Structure • Electrical & Instrumentation 	2013
DENKA ADVANTECH SSF PROJECT; TUAS SINGAPORE	• Plant Expansion	<ul style="list-style-type: none"> • Equipment • Piping 	2013
JACOBS ENGINEERING & EXXONMOBIL AIR PRE-HEATER REPLACEMENT PROJECT; JURONG ISLAND SINGAPORE	• Plant Expansion	<ul style="list-style-type: none"> • Piping • Structure • Equipment 	2014
TOYO ENGINEERING & SHELL EASTERN PETROLEUM LIMITED ECC DEBOTTLENECKING & FLARE REVAMP PROJECT	• Plant Expansion	<ul style="list-style-type: none"> • Piping • Structure • Equipment • Refractory 	2014
ISK SINGAPORE TUAS WEST DRIVE, SINGAPORE	• Plant Demolition	<ul style="list-style-type: none"> • Demolition 	2014
LANXESS BUTYL I-PLANT EXPANSION PROJECT, JURONG ISLAND SINGAPORE	• Plant Expansion	<ul style="list-style-type: none"> • Equipment • Piping 	2014
JACOBS ENGINEERING SINGAPORE & EXXONMOBIL REFINERY SINGAPORE NEW TEXAS TOWER PROJECT; JURONG ISLAND SINGAPORE	• Plant Expansion	<ul style="list-style-type: none"> • Piping • Structure • Equipment 	2014

PAST PROJECT REFERENCE – BROWNFIELD (10 YEARS)

Project Description	Project Nature	Scope of Execution	Year
EXXONMOBIL JURONG REFINERY 2014 JURONG TURN AROUND PROJECT; JURONG ISLAND SINGAPORE	<ul style="list-style-type: none"> Plant Major Turnaround 	<ul style="list-style-type: none"> Equipment Overhauling Piping Tie In 	2014
ABBVIE OPERATIONS SINGAPORE API PROJECT	<ul style="list-style-type: none"> Plant Expansion 	<ul style="list-style-type: none"> Commissioning Support 	2014
SHELL EASTERN PETROLEUM LIMITED CRACKING HEATER RE-COIL WORK	<ul style="list-style-type: none"> Plant Pit-Stop 	<ul style="list-style-type: none"> Furnace Overhauling 	2015
JACOBS ENGINEERING & EXXONMOBIL HBW PREHEATER PROJECT	<ul style="list-style-type: none"> Plant Expansion 	<ul style="list-style-type: none"> Piping Structure Equipment 	2015
SHELL EASTERN PETROLEUM LIMITED FURNACE OVERHAULING PULAU BUKOM SINGAPORE	<ul style="list-style-type: none"> Plant Pit-Stop 	<ul style="list-style-type: none"> Furnace Overhauling 	2015
SHELL EASTERN PETROLEUM LIMITED ECC RECOVERY PROJECT-CUI PULAU BUKOM SINGAPORE	<ul style="list-style-type: none"> Plant Expansion 	<ul style="list-style-type: none"> Piping Insulation 	2015
SHELL EASTERN PETROLEUM LIMITED ECC RECOVERY PROJECT-MECHANICAL, PULAU BUKOM SINGAPORE	<ul style="list-style-type: none"> Plant Expansion 	<ul style="list-style-type: none"> Piping Equipment Structure 	2015
TEIJIN POLYCARBONATE TPS WAREHOUSE, SAKRA AVENUE, JURONG ISLAND	<ul style="list-style-type: none"> Plant Demolition 	<ul style="list-style-type: none"> Demolition 	2016

PAST PROJECT REFERENCE – BROWNFIELD (10 YEARS)

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CHIYODA SINGAPORE & SHELL EASTERN PETROLEUM SLACK WAX EPC PROJECT, PULAU BUKOM SINGAPORE	<ul style="list-style-type: none"> Plant Expansion 	<ul style="list-style-type: none"> Equipment Piping Structure 	2017
SHELL EASTERN PETROLEUM FURNACE RECOIL 2019, PU5, SHELL BUKOM	<ul style="list-style-type: none"> Plant Pit-stop 	<ul style="list-style-type: none"> Furnace Overhauling 	2019
JACOBS ENGINEERING & EXXONMOBIL PAC B286 AIR EMISSION REDUCTION PROJECT, EM PAC, JURONG ISLAND	<ul style="list-style-type: none"> Plant Expansion 	<ul style="list-style-type: none"> Furnace upgrading Piping Structure Equipment 	2019
TIALOC & EVONIK WASTE WATER TREATMENT PLANT (EVONIK, JURONG ISLAND)	<ul style="list-style-type: none"> Plant Expansion 	<ul style="list-style-type: none"> Piping Structure Equipment 	2019
SHELL EASTERN PETROLEUM TGD TURNAROUND, PU1, SHELL BUKOM	<ul style="list-style-type: none"> Plant Major Turnaround 	<ul style="list-style-type: none"> Equipment Piping Structure 	2019
WOOD ENGINEERING & SHELL EASTERN PETROLEUM TGU FURNACE RECOVERY, SHELL BUKOM	<ul style="list-style-type: none"> Plant Expansion 	<ul style="list-style-type: none"> Furnace upgrading Piping Equipment Structure 	2019
CHIYODA SINGAPORE & SHELL JURONG ISLAND SSF2 PROJECT, SHELL SERAYA JURONG ISLAND	<ul style="list-style-type: none"> Plant Expansion 	<ul style="list-style-type: none"> Piping Equipment Structure 	ONGOING
SHELL EASTERN PETROLEUM LIMITED ECC TURNAROUND, PU5, SHELL BUKOM	<ul style="list-style-type: none"> Plant Major Turnaround 	<ul style="list-style-type: none"> Piping Equipment Structure 	2019
WOOD ENGINEERING & EXXONMOBIL CHEMICALS CRISP SCP PROJECT, EM SCP, JURONG ISLAND	<ul style="list-style-type: none"> Plant Expansion 	<ul style="list-style-type: none"> Piping Equipment Structure 	ONGOING
AFTON CHEMICALS ASIA GPA TANKFARM BLENDING UNIT EXPANSION, JURONG ISLAND	<ul style="list-style-type: none"> Plant Expansion 	<ul style="list-style-type: none"> Piping Equipment Structure Civil & Piling E&I 	ONGOING

ONGOING PROJECTS

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CHIYODA SINGAPORE & SHELL JURONG ISLAND SSF2 PROJECT, SHELL SERAYA JURONG ISLAND	<ul style="list-style-type: none"> Plant Expansion 	<ul style="list-style-type: none"> Piping Equipment Structure 	ONGOING
WOOD ENGINEERING & EXXONMOBIL CHEMICALS CRISP SCP PROJECT, EM SCP, JURONG ISLAND	<ul style="list-style-type: none"> Plant Expansion 	<ul style="list-style-type: none"> Piping Equipment Structure 	ONGOING
AFTON CHEMICALS ASIA GPA TANKFARM BLENDING UNIT EXPANSION, JURONG ISLAND	<ul style="list-style-type: none"> Plant Construction (PCM) 	<ul style="list-style-type: none"> Piping Equipment Structure & Architectural Civil & Piling E&I Procurement works 	ONGOING
CHANG CHUN SINGAPORE (CCD) VAE & VAEP PROJECT WORKS	<ul style="list-style-type: none"> Plant Construction (PCM) 	<ul style="list-style-type: none"> Piping Structure & Architectural Equipment E&I SIP 	ONGOING
SHELL EASTERN PETROLEUM LONG TERM TA & PROJECT	<ul style="list-style-type: none"> Plant Major Turnaround Plant Project works 	<ul style="list-style-type: none"> Equipment Piping Structure 	ONGOING
WOOD ENGINEERING & ARKEMA SINGAPORE SYMPHONY PROJECT (STRUCTURAL PACKAGE)	<ul style="list-style-type: none"> Structural & architectural works 	<ul style="list-style-type: none"> Structure Architectural 	ONGOING
SHELL EASTERN PETROLEUM FURNACE RECOIL WORKS	<ul style="list-style-type: none"> Furnace overhauling 	<ul style="list-style-type: none"> Piping Special piping Equipment 	ONGOING